

Contents

(Abstracted/indexed in: *Chemical Abstracts; Current Contents: Physical, Chemical and Earth Sciences; INSPEC; PASCAL/CNRS*)

VOLUME 33 (1988)

The effect of trace water on non-aqueous silica dispersions J.W. Goodwin, F. McDonald (Bristol, United Kingdom) and P.A. Reynolds (Gateshead, United Kingdom)	1
Interaction of insulin with lipid monolayers at the air/solution interface Z. Kozarac (Zagreb, Yugoslavia), A. Dhathathreyan and D. Möbius (Göttingen, F.R.G.)	11
Three-phase contact line movement in systems with and without surfactant W. Hopf and H. Stechemesser (Freiberg, G.D.R.)	25
A new technique for determining mineral-reagent chemical interaction products by transmission IR spectroscopy: cerussite-xanthate system A. Marabini and C. Cozza (Rome, Italy)	35
Local anesthetics-phospholipid interaction. A study of Dibucaine binding to lipid monolayers A. Dhathathreyan and D. Möbius (Göttingen, F.R.G.)	43
Adsorption thermodynamics of carbofuran on fly ash K. Kumar, R.P. Singh and S.K. Saxena (Aligarh, India)	55
Effects of polyelectrolyte on the deposition and detachment of colloidal particles subjected to flow S. Varennes and T.G.M. van de Ven (Montreal, Canada)	63
Titration behavior and temperature-pH phase diagrams for dilute aqueous solutions of alkenesuccinic acids and their potassium and sodium salts T. Imae, S. Suzuki, A. Abe, S. Ikeda (Nagoya, Japan), Y. Fukui, M. Senoh and K. Tsujii (Wakayama, Japan)	75
Determination of surface free energy components of polymers from contact angle data using nonlinear programming methods H.Y. Erbil and R.A. Meric (Kocaeli, Turkey)	85
Adsorption kinetics of micellar Brij 58 solutions P. Joos and J. van Hunsel (Wilrijk, Belgium)	99
Adsorption/desorption of a PEO-rich comb-like polymer at a silica/aqueous solution interface C. Orgeret-Ravanat, Ph. Gramain, Ph. Dejardin and A. Schmitt (Strasbourg, France)	109
Sorptions on lignin, wood and celluloses. I. Bile salts P. Zuman, S. Ainso, C. Paden and B.A. Pethica (Potsdam, NY, U.S.A.)	121
Sorptions of lignin, wood and celluloses. II. Nitrosamines S. Ainso, C. Paden, B.A. Pethica and P. Zuman (Potsdam, NY, U.S.A.)	133
Sorptions on lignin, wood and celluloses. III. Copper(II) and zinc(II) ions J. Wieber, F. Kulik, B.A. Pethica and P. Zuman (Potsdam, NY, U.S.A.)	141
Electrostatic interaction of two dissimilar membranes: effects of ionic solubility, permittivity and thickness of surface charge layers K. Makino, H. Ohshima and T. Kondo (Tokyo, Japan)	153
Adsorption at solid/solution interfaces. 6. Interactions of Co^{2+} ions with spherical	

hematite particles	
I. Kobal, P. Healeitner and E. Matijević (Potsdam, NY, U.S.A.)	167
Polystyrene latex fractionation and particle size determination: the use of density gradients in a low-speed centrifuge	
M.C. Pires Costa and F. Galembeck (Campinas, Brazil).....	175
Hydrophobicity gradient on silica surfaces: a study using total internal reflection fluorescence spectroscopy	
V. Hlady, C. Gölander and J.D. Andrade (Salt Lake City, UT, U.S.A.)	185
Electrochemical modelling of freshly precipitated aluminum hydroxide-electrolyte interface	
E. Rakotonarivo, J.Y. Bottero, F. Thomas, J.E. Poirier and J.M. Cases (Vandoeuvre, France)	191
Interfacial versus aqueous phase reaction sites in the solvent extraction of metal ions: the ambiguity of correlation plots	
K. Osseo-Asare (University Park, PA, U.S.A.)	200
The properties of the calcite-solution interface in the presence of adsorbed resins or asphaltenes	
G. González and A. Middea (Rio de Janeiro, Brazil)	217
XPS study of the oxidation of cuprous sulphide in aerated aqueous solutions	
J. Mielczarski (Gliwice, Poland) and E. Suoninen (Turku, Finland)	231
Effect of alkyl sulfate chain length on flocculation and flotation of barite suspensions	
Z. Sadowski (Wroclaw, Poland) and R.W. Smith (Reno, NV, U.S.A.)	239
Observation of temporary liquid crystals in water-in-oil microemulsion systems	
Z. Ma, S.E. Friberg (Potsdam, NY, U.S.A.) and P. Neogi (Rolla, MO, U.S.A.)	249
Theoretical foundations of post-solder cleaning process for printed wiring assemblies	
M.V. Ostrovsky (Fernandina Beach, FL, U.S.A.)	259
Clay-fiber interaction in the presence of polyethylenimine and anionic contaminants	
B. Alinec (Pointe Claire, Canada)	279
Surface-chemical properties of alkylmethylsulfoxide-ionic surfactant systems	
G.-X. Zhao and D.-M. Zhu (Beijing, China)	289
Thermodynamic model for surfactant adsorption	
G.W. Woodbury, Jr (Missoula, MT, U.S.A.) and L.A. Noll (Bartlesville, OK, U.S.A.)	301
Surface and micellar properties of sodium l-alkyl decane sulfonates	
R. Granet and S. Piekarzki (Limoges, France)	321
Dynamic (steady state) interfacial tensions during mass transfer of organic acids through a hexane/water interface	
M. Vermeulen and P. Joos (Wilrijk, Belgium)	337
<i>Book Review</i>	347
<i>Announcement</i>	348
<i>Author Index</i>	349
<i>Subject Index</i>	350
<i>Contents (Vol. 33)</i>	355

